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We claim:

- A substantially purified nucleic acid molecule that encodes a maize protein 1. or fragment thereof comprising a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 17472.
- A substantially purified maize protein or fragment thereof, wherein said 2. maize protein is encoded by a nucleic acid molecule that comprises a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 17472.
 - A transformed plant having a nucleic acid molecule which comprises: 3.
 - an exogenous promoter region which functions in a plant cell to (a) cause the production of a mRNA molecule;
 - a structural nucleic acid molecule comprising a nucleic acid (b) sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 17472 or complements thereof;
 - a 3' non-translated sequence that functions in said plant cell to (c) cause termination of transcription and addition of polyadenylated ribonucleotides to a 3' end of said mRNA molecule.
 - The transformed plant according to claim 3, wherein said structural 4. nucleic acid molecule is a complement of any of the nucleic acid sequences of SEQ ID NO: 1 through SEQ ID NO: 17472.
 - The transformed plant according to claim 4, wherein said plant is maize, 5. soybean, cotton or wheat.
 - 6. The transformed plant according to claim 4, wherein said plant is maize.
 - 7. The transformed plant according to claim 4, wherein said plant is soybean.